

SELF-EXTINGUISHING FLAME-RETARDANT POLYSTYRENE RESIN COMPOSITION HAVING DRIPPING PROPERTY

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Abstract

PURPOSE: To obtain a styrene resin composition having such excellent self-extinguishing properties that it can be used in the fields of housings and components of business machines, information equipments, etc., which need to have especially self-extinguishing properties and being also excellent in a balance among heat resistance, impact resistance and heat stability.

CONSTITUTION: This self-extinguishing flame-retardant polystyrene resin composition comprises 100 pts.wt. rubber-modified polystyrene resin (A), 4-8 pts.wt. tetrabromobisphenol A and polyhalogenated aliphatic ether (B), a polyhalogenated diphenyl-alkane (C) in an amount being equivalent to 20-60 % of the number of pts.wt. of B and giving 10 pts.wt. or below total of B and C, antimony trioxide (D) in an amount equivalent to 20-50% of the number of pts.wt. of A and 0.0005-0.05wt.% (in terms of the weight of the silicon atoms), based on the total of A to D, organopolysiloxane (E).

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